

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention, design or discovery entitled METHOD AND APPARATUS FOR CONTROLLING TEMPERATURE GRADIENTS WITHIN A STRUCTURE BEING COOLED, the specification of which (check one):

X is attached hereto; or
_____ was filed on _____ as Application Serial No. _____ and was
amended on _____ (if applicable).

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above; and

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Number	Country	Date Filed	Priority Claimed (Yes) (No)
-----NONE-----			

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

<u>Application Serial Number</u>	<u>Date Filed</u>	<u>Status</u>
60/421,373	October 24, 2002	Pending

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

<u>Application Serial Number</u>	<u>Date Filed</u>	<u>Status (Patented, Pending, Abandoned)</u>
-----NONE-----		

I hereby appoint the following as my attorneys/agents with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, and to file and prosecute any international patent applications filed thereon before any international authorities:

Glenn H. Lenzen, Jr.	Reg. No. 29,320
René E. Grossman	Reg. No. 22,656
Philip P. Berestecki	Reg. No. 26,502
William C. Schubert	Reg. No. 30,102
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Colin M. Raufer	Reg. No. 40,781
Robin R. Loporchio	Reg. No. 40,071
John J. Snyder	Reg. No. 39,380

all of Raytheon Company; and

the practitioners at Customer Number **05073**

all of the firm of Baker Botts L.L.P.

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Atty. Docket No. 004578.1306

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that

these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of the first inventor

Byron Elliott Short, Jr.

Inventor's signature



Date

10/15/03

Residence (City, County, State)

Fairview, Collin County, Texas 75069

Citizenship

United States of America

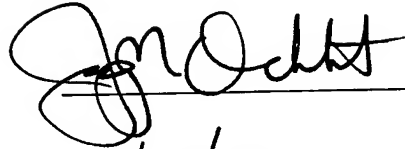
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Full name of the additional inventor, if any

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Inventor's signature



Date

10/17/03

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